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October 1—2,.....	Some showers.
3,.....	Fine day.—Wet evening.
4,.....	Wet and Stormy.
5,.....	Wet.
6—7,.....	Showery.
8,.....	Very wet.
9,.....	Wet morning.—Fair day.
10,.....	Wet afternoon.
11,.....	Wet day.
12—15,.....	Showery.
16,.....	Fair.
17—20,.....	Showery

The Barometer was on the 28, 29, and 31st of August, and on 1st and 12th of September at 30—2; on the 21st of August, and 10th of September 29—7.

The variation of the Barometer has been more extraordinary than ever observed in this country; at 3, p.m., on the 18th of October, the Barometer was observed at 28—5; at 8, a.m. of the 19th, it was as low as 27—8; the rest of this period there was but little variation: it was observed at 30; and during the remainder of the time it was not lower than 29, except on the 8th of October, when it stood at 28—9.

The Thermometer on the 29th of August was as high as 63° at 1, p.m.; on the 20th of September it stood at 60° at 8, a.m.; on the 18th it was only as high as 49°.

The Thermometer on the 21st of September, at 8, a.m., was as high as 62; on the 5th of October it stood at 48°; on the 7th at 43°; on the 8th it was 54°; the rest of the time it was very variable.

The wind has been observed 13 times S.E.—31 S.W.—16 N.W.—16 N.E.—5 W.

CELESTIAL PHENOMENA.

FOR NOVEMBER, 1812.

THE Moon rises in the morning of the 1st, nearly at the same time with Mars, whom she passes this day, and Venus above forms with them a beautiful groupe. She is above, and they are nearly under the five stars in triangle of the Virgin.

On the 4th, is new Moon, at fourteen minutes past six in the morning.

On the 6th, the crescent of the Moon is seen in the south-west, Saturn being above her to the east. On the 8th, she is seen above Saturn, having passed the planet about noon.

On the 11th, the Moon is on the meridian at six, the second of the Water-bearer above her to the east of the meridian, and the two first stars of the Goat at a considerable distance from her to the west.

On the 14th, the Moon is on the meridian at thirty-six minutes past eight, having above her the four stars in square, the two western on the western side of, but the two eastern on the eastern side of, and nearer to the meridian.

On the 18th, is full Moon, at half-past six in the evening, and she rises below the Pleiades, but to the east of the line between these stars and Menkar. Before she attains a great height, it will be evidently seen, that she is directing her course through the Hyades; and, in the morning of the 19th, she passes over one of them the third of the Bull, which suffers an occultation, at seventeen minutes and a half past six, the star being twelve minutes south of the centre; and it emerges at fifty-six minutes and a half past six, the star being ten minutes and a quarter south of the centre, but she does not reach Aldebaran before Sun-rise.

On the 23d, the Moon rises nearly with Jupiter; and her progress from this planet, during the night, will excite attention.

On the 28th, the Moon rises above the third of the Virgin; and, to the east of her, before Sun-rise, Mars, Venus, and the first of the Virgin; forming a beautiful groupe, will command our attention.

On the 30th, the Moon rises nearly with the first of the Virgin and Mars, and is soon followed by Venus; and these four objects, by their varying brightness, and the change in their positions will delight the morning traveller.

Mercury is an evening star, but in unfavourable signs, the eighth and ninth, and

with a southern latitude; so that, at first, from his nearness to the Sun, and afterwards his nearness to the horizon, he will not be seen but by very keen astronomers. The Moon passes him on the 4th.

Venus is the bright morning-star. She has a direct motion, this month, through thirty-five degrees, commencing with the second of the Virgin, and ending at a point nearly four degrees from the tenth of this constellation, being to the west of this star. For the greater part of the month, the progress of Venus towards Mars will afford an ever-varying sight to the early riser. The Moon passes her on the 30th.

Mars is a morning star, and has a direct motion through nearly nineteen degrees, being on the 1st to the west of the seventh of the Virgin, and on the last day, midway between the first and tenth of this constellation. His stay above the horizon, before Sun-rise on the 1st, is above three hours, and this duration is daily increasing. The Moon passes him on the 29th.

Jupiter rises between eleven and twelve in the morning of the 1st, and every day earlier. On the 25th, he is stationary, having, to that day, a direct motion through somewhat more than three-quarters of a degree, in the barren space near the eastern border of the Crab; on the 20th, he is on the meridian at five in the morning; and during the whole month, his long stay above the horizon, from his rising to Sun-rise, will give great facilities to the observers of his moons, and his belts. The early riser will frequently note the line drawn from him to the eastern horizon, adorned by the two planets, Venus and Mars.

Saturn is on the meridian on the 1st, at fifty minutes past three in the afternoon, and on the 19th, at three-quarters past two; and as his path from the meridian to the horizon is nearly the same as that of the Sun, at his lowest point in the ecliptic, we see him at the first low in the lower region, and every evening later at the same hour. His motion is direct through three degrees, being on the 1st above the eleventh of the Archer, and about three degrees from it, but at a greater distance from the twelfth to the west of him; and he finishes his course in the barren space to the east of the Milky-way, having the small stars in the head of the Archer about four degrees from him to the east. The Moon passes him on the 8th.

Herschell is in conjunction with the Sun on the 16th, and will not be sufficiently disengaged from the Sun's rays at any time for observation.

Frend's Evening Amusements.

ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.				4th SATELLITE.			
<i>Immersion.</i>				<i>Immersion.</i>											
DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
1	5	34	19	4	8	42	5	5	9	1	38 Im.	5	16	13	5 Im.
3	0	2	41	7	21	59	16	5	12	30	25 E.	5	20	18	32 E.
4	18	31	0	11	11	16	57	12	12	59	15 Im.	22	10	11	37 Im.
6	12	59	22	15	0	34	12	12	16	28	23 E.	22	14	22	6 E.
8	7	27	40	18	13	52	2	19	16	57	25 Im.	* 1st Satellite contd.			
10	1	56	2	22	3	9	17	19	20	26	54 E.				
11	20	24	20	25	16	27	16	26	20	55	30 Im.				
13	14	52	41	29	5	44	34	27	0	25	18 E.				
15	9	20	58												
17	3	49	20									26	0	10	57
18	22	17	38									27	18	39	19
20	16	45	59									29	13	7	37
22	11	14	17												
24	5	42	39												

Look to the right hand.*